

Closing the Justice Gap in the Metaverse Age

FEDERICO AST
CEO

federico@kleros.io



@federicoast



@kleros_io

kleros.io



K L E R O S



HOSTED BY
THOMSON REUTERS
INCUBATOR



European
Commission

Winner of the Blockchains for Social Good
Prize from the European Union's Horizon
2020 research and innovation programme

bpifrance

VISIT...

LANZAROTE
Caliente.COM

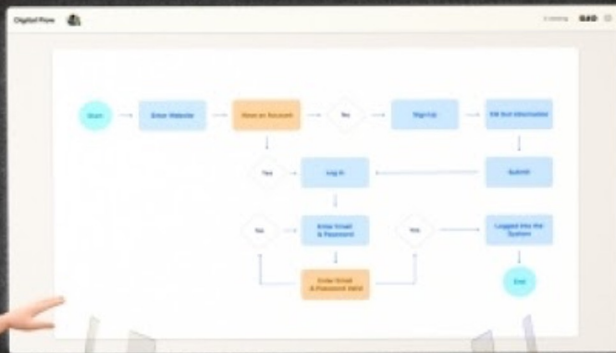


Workrooms Meeting
10:05 AM - 11:30 AM



Sharing screen
Lucy Tarkenton

10:05 AM
Thu, Sept 19 2021





Devin Elle Kurtz
@DevinElleKurtz



Fake Banksy NFT sells for nearly \$340K after hacker reportedly taps into artist's site

An online auction was linked to from Banksy's official website.



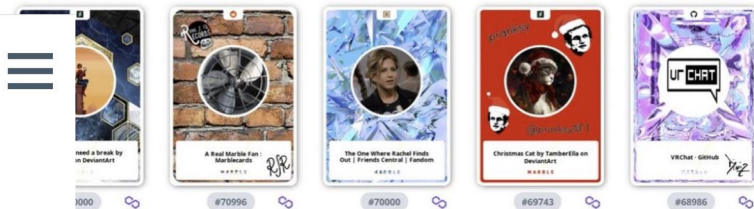
Fashion disputes in the Metaverse



I searched my name to make sure my art hadn't been stolen and turned into NFTs, and sure thing, an obscure old piece from my DeviantArt is randomly on the front page of the marble cards NFT website? How is this allowed...

Newest edition cards

STOLEN...
HINE



The Future of Disputes

Digital Goods

Small Claims

Cross-Jurisdiction

Crypto Payments

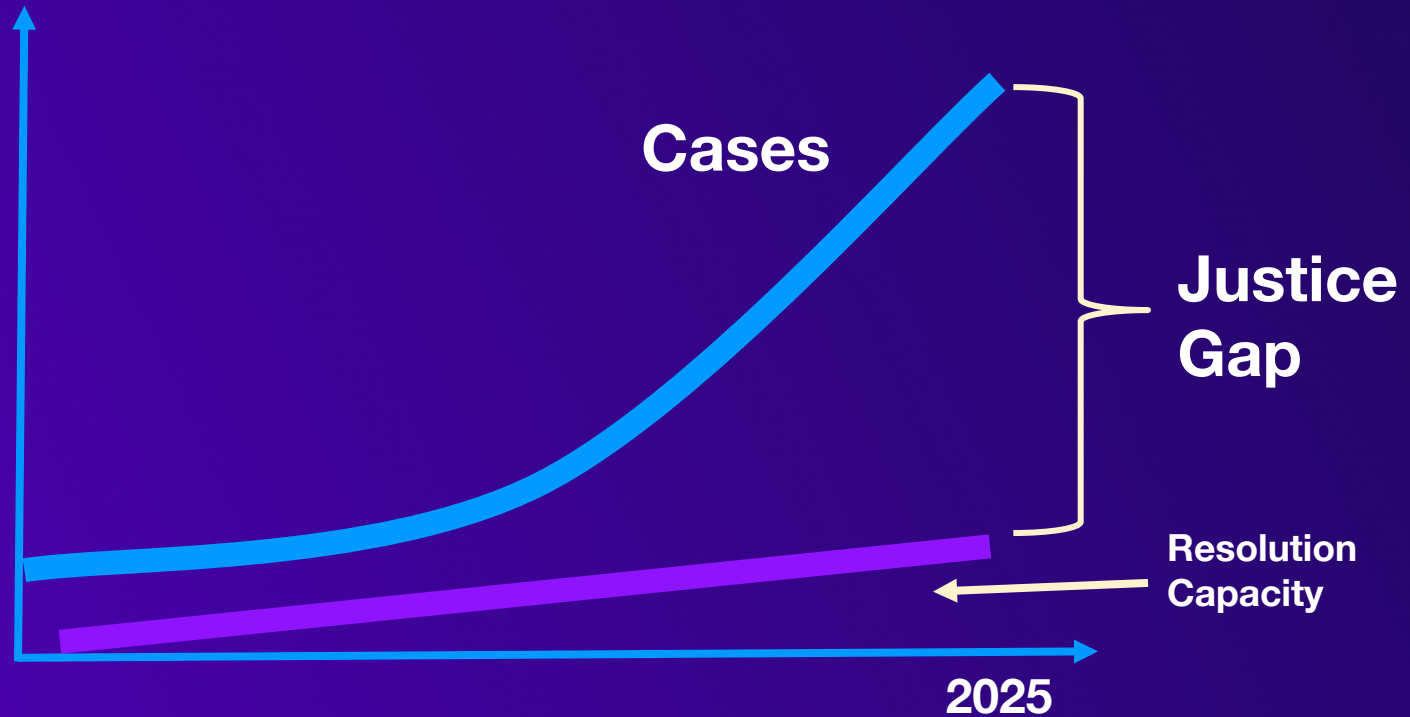
Smart Contract Enforcement

Anonymous Parties

Anonymous Arbitrators

Bots?

The Growing Online Justice Gap



**How can we resolve an
exponentially growing
number of digital disputes
between anonymous parties
in metaverse jurisdictions?**

New Tools

AI

Artificial Intelligence

Machine Learning
Automation

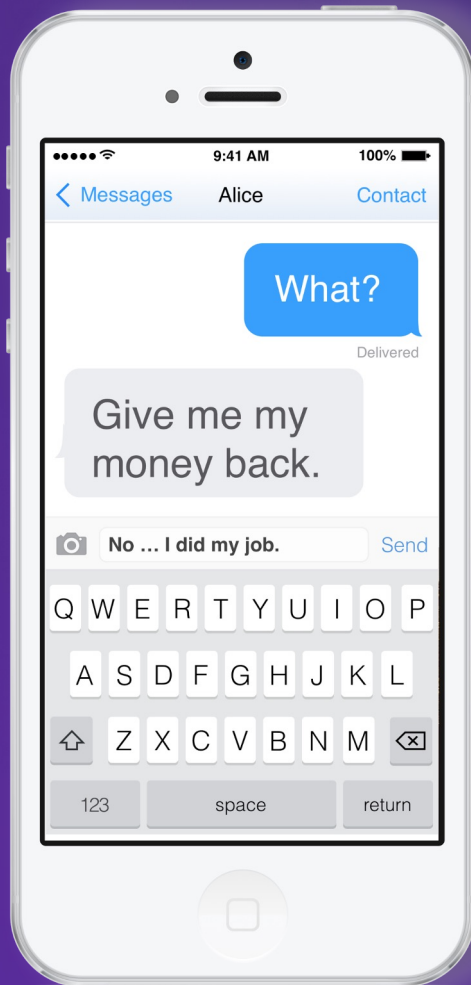


Decentralized Justice

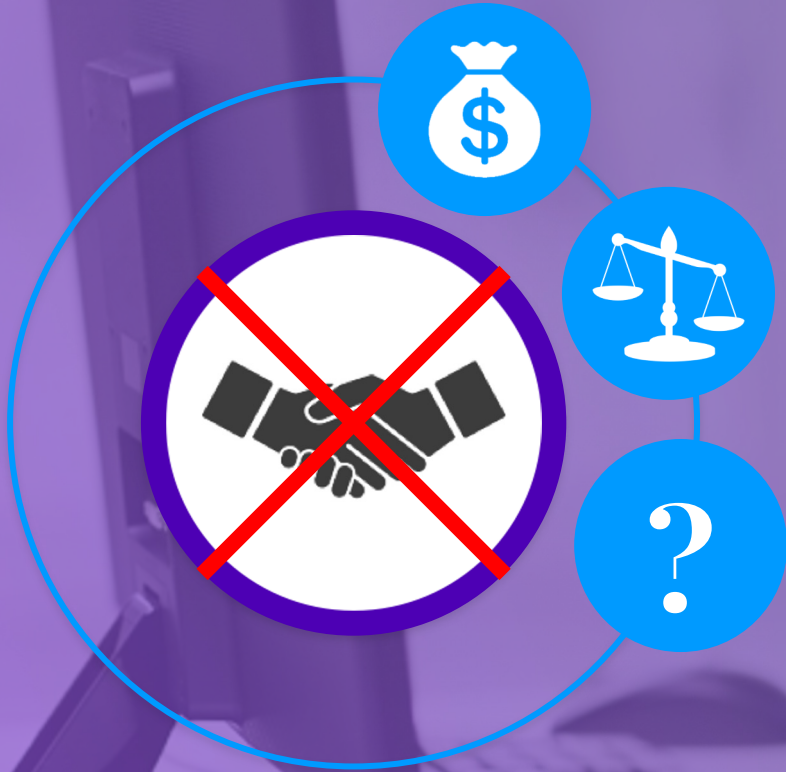
Blockchain
Game Theory
Incentives

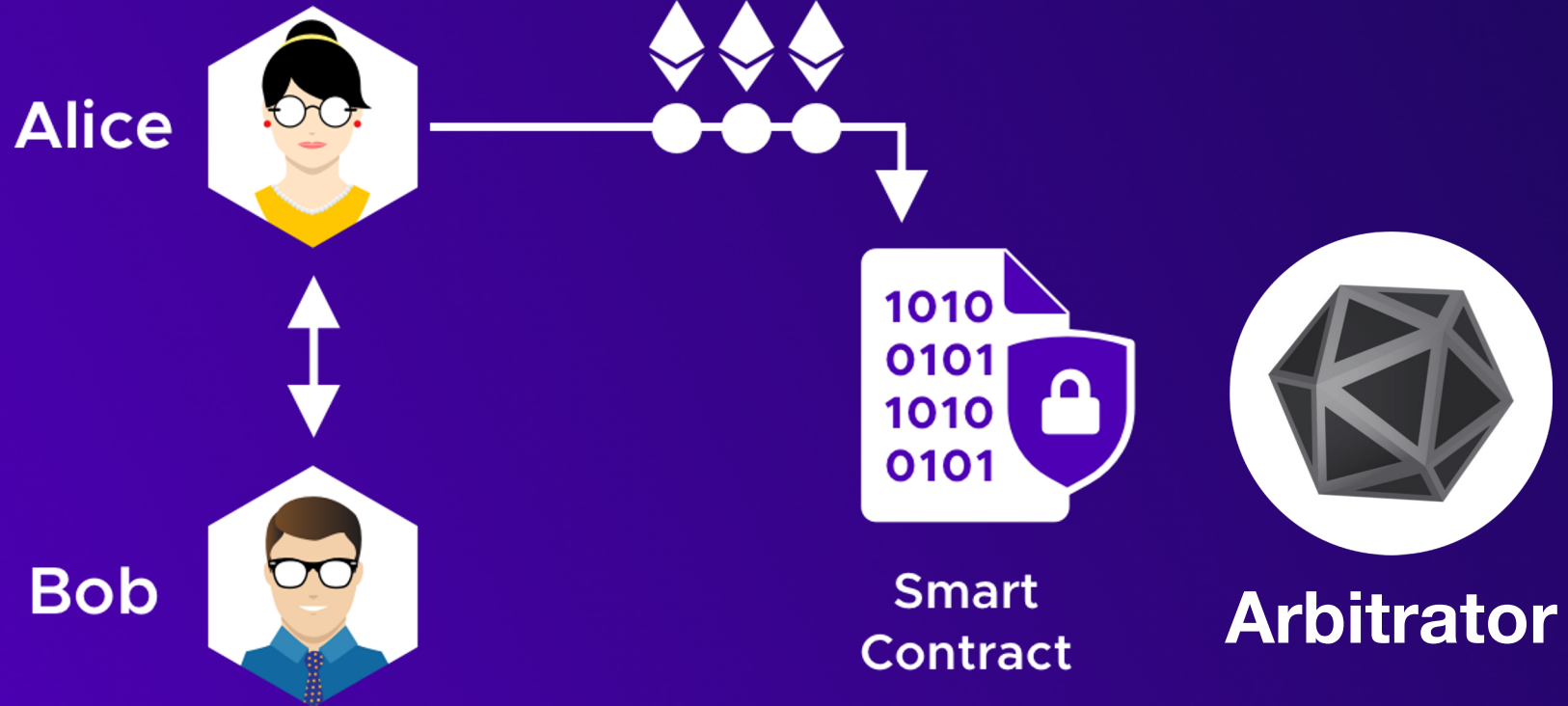
The Contract





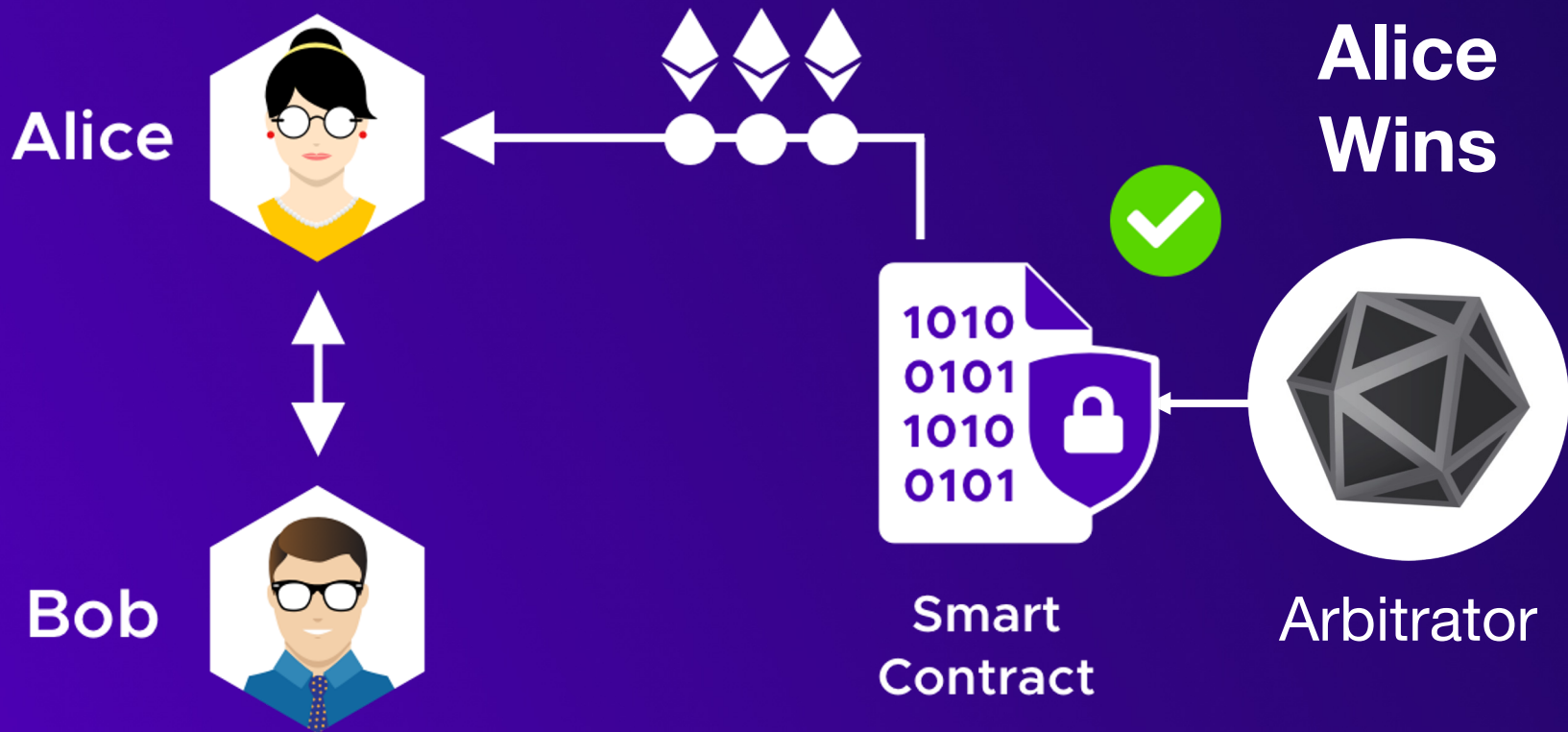
**Go to court or
international
arbitration with
an anonymous
party over
\$500?**





Jurors





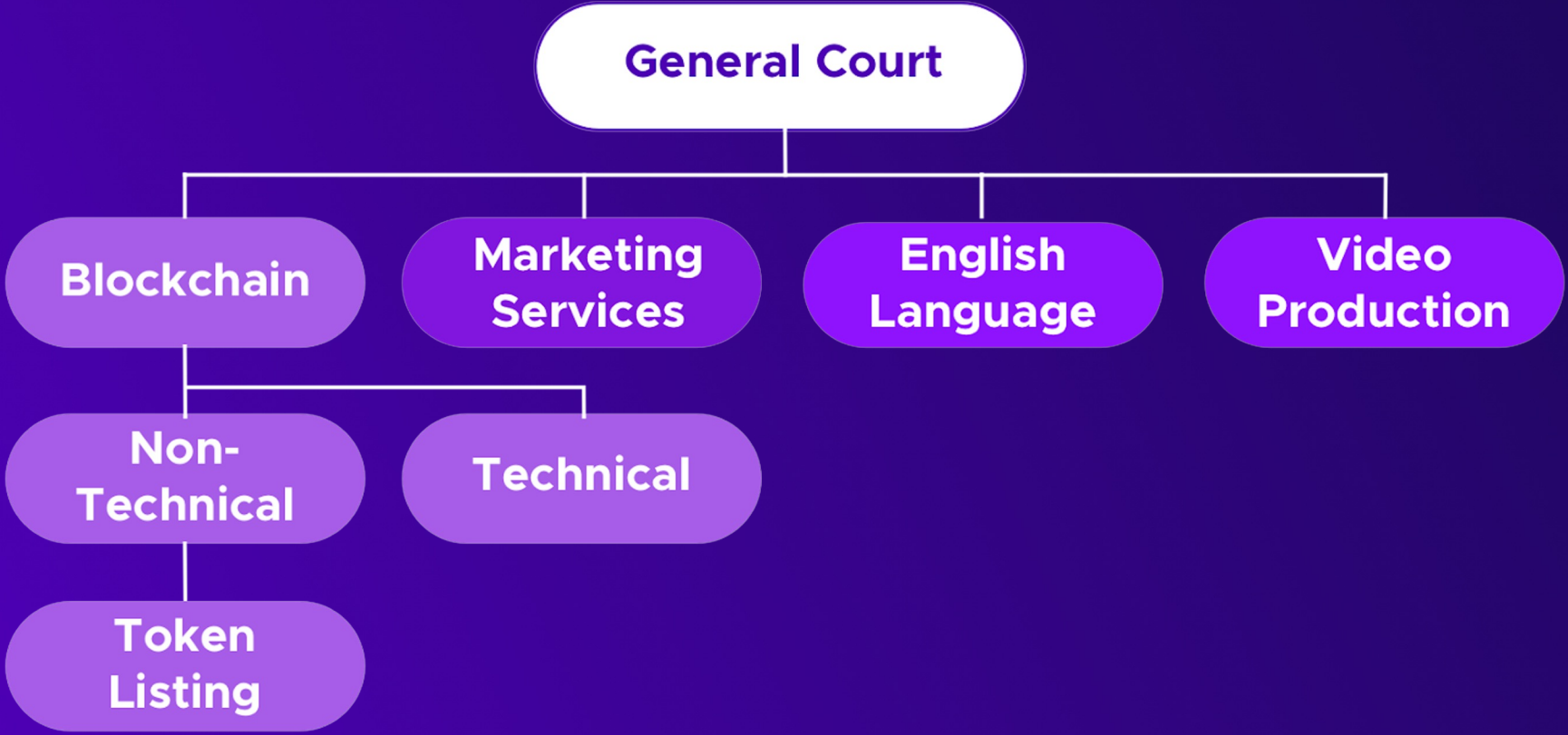


PNK



Ethereum token that users need to stake to be drawn as jurors.

General Court



```
graph TD; GC[General Court] --> Blockchain[Blockchain]; GC --> MS[Marketing Services]; GC --> EL[English Language]; GC --> VP[Video Production]; Blockchain --> NT[Non-Technical]; Blockchain --> T[Technical]; NT --> TL[Token Listing];
```

The diagram is an organizational chart for the General Court. At the top is a light blue rounded rectangle labeled 'General Court'. A horizontal line below it branches into four vertical lines, each leading to a dark blue rounded rectangle: 'Blockchain', 'Marketing Services', 'English Language', and 'Video Production'. From 'Blockchain', a horizontal line branches into two vertical lines leading to 'Non-Technical' and 'Technical'. From 'Non-Technical', a vertical line leads to 'Token Listing'. All boxes are rounded rectangles with white text on a dark blue background, except for the top box which is light blue with dark blue text.

Blockchain

**Marketing
Services**

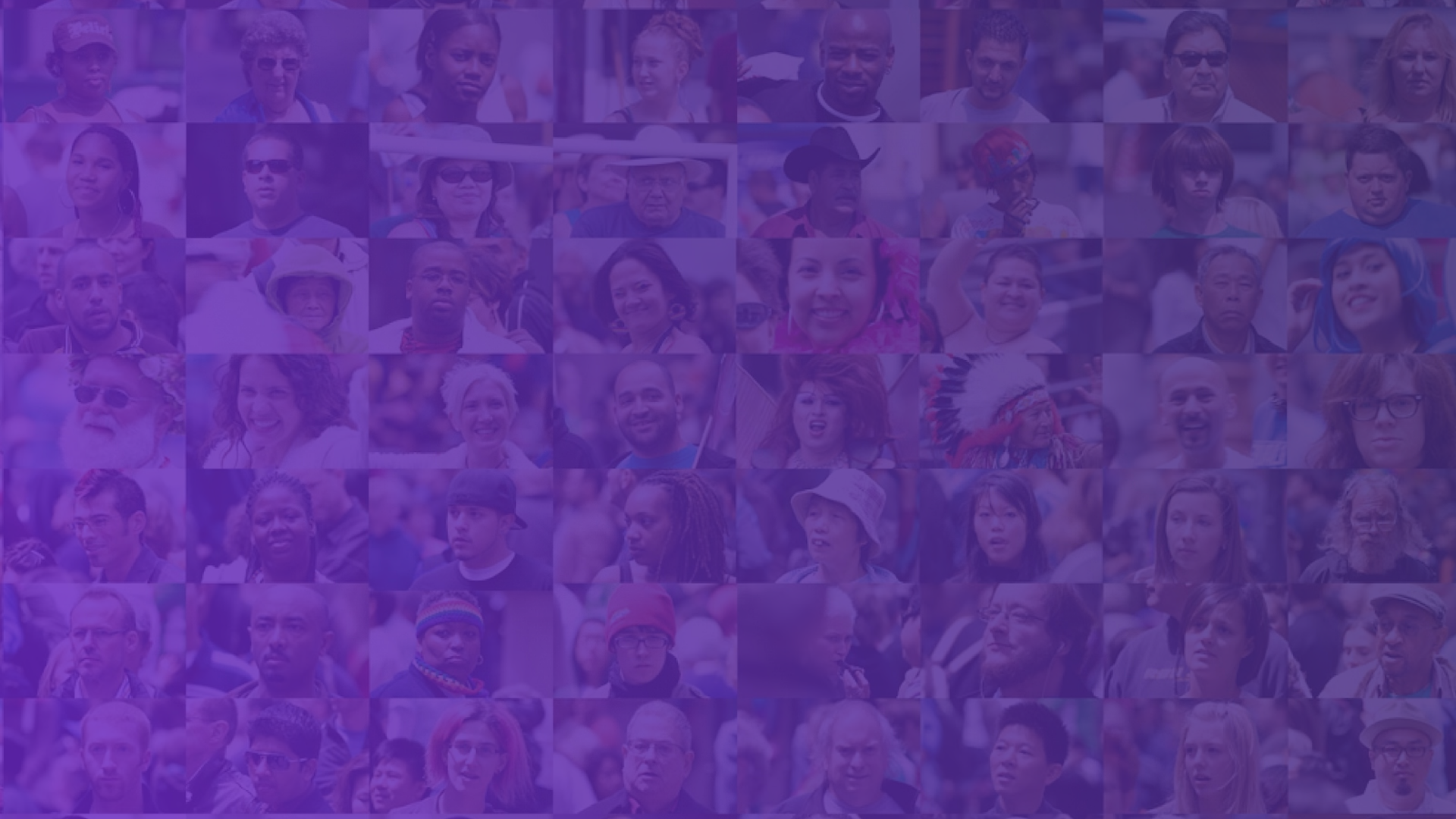
**English
Language**

**Video
Production**

**Non-
Technical**

Technical

**Token
Listing**





Users trying to game
the system will
lose money
(on average)

\$





**Honest users
will
make money
(on average)**

\$



	Traditional Methods	Decentralized Justice
Resolution Time		
Resolution Cost		
Transparency		

Objective
Complex

Subjective
Complex



Better
solved
by AI



Better
solved by
Decentralized
Justice

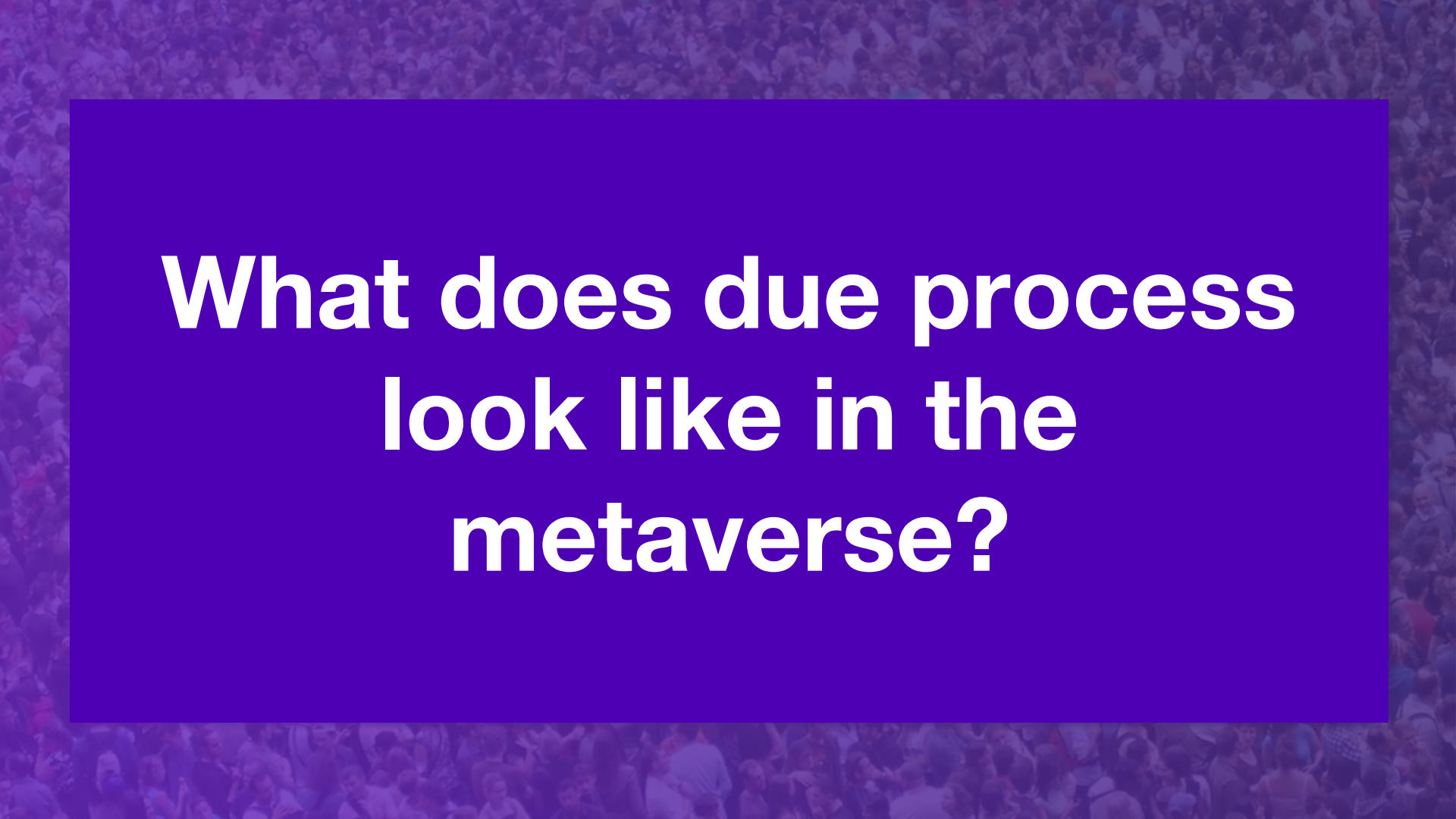


Better solved
by traditional
methods



Potentially Conflicting with the
New York Convention

Compatible with the
New York Convention



**What does due process
look like in the
metaverse?**

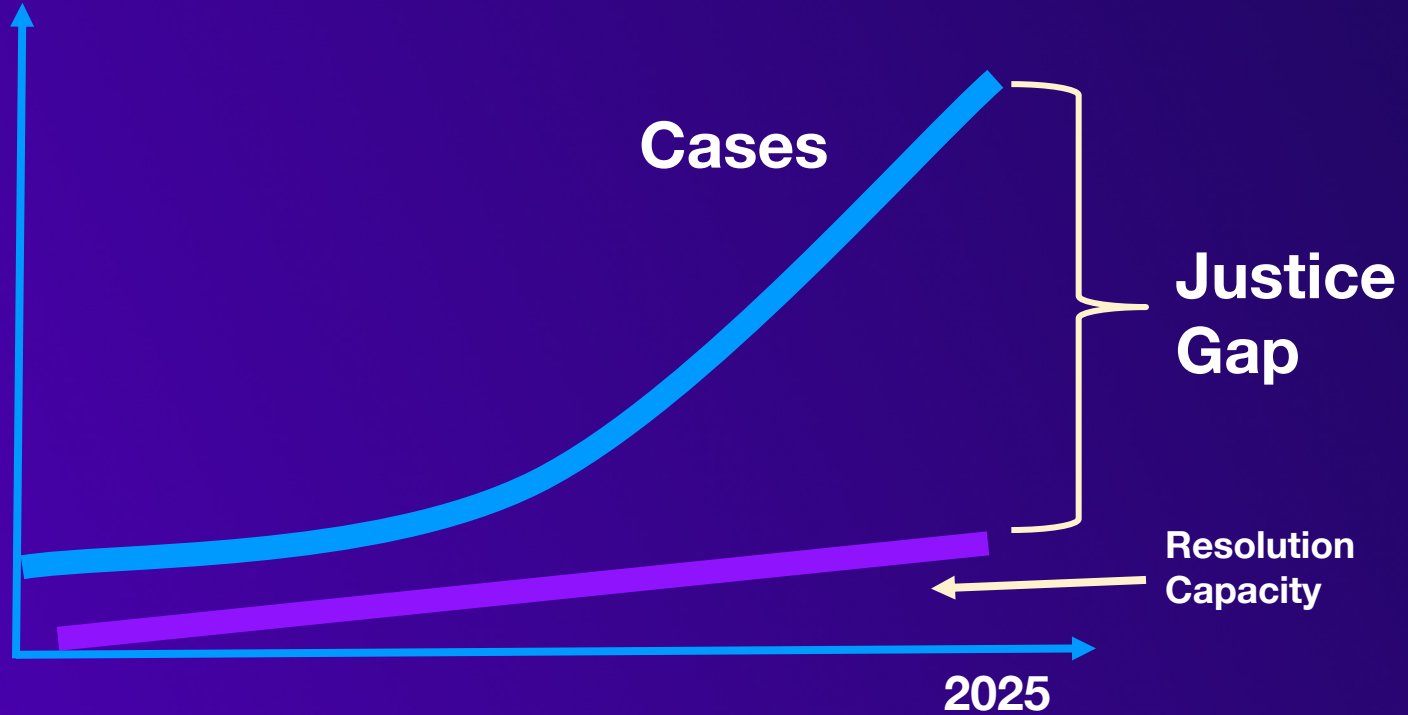
Decentralized Justice

- Are anonymous arbitrators acceptable?
- Can agents be parties and arbitrators?
- Can arbitrators have an financial interest in the dispute?
- Judicial review in smart contract enforcement?

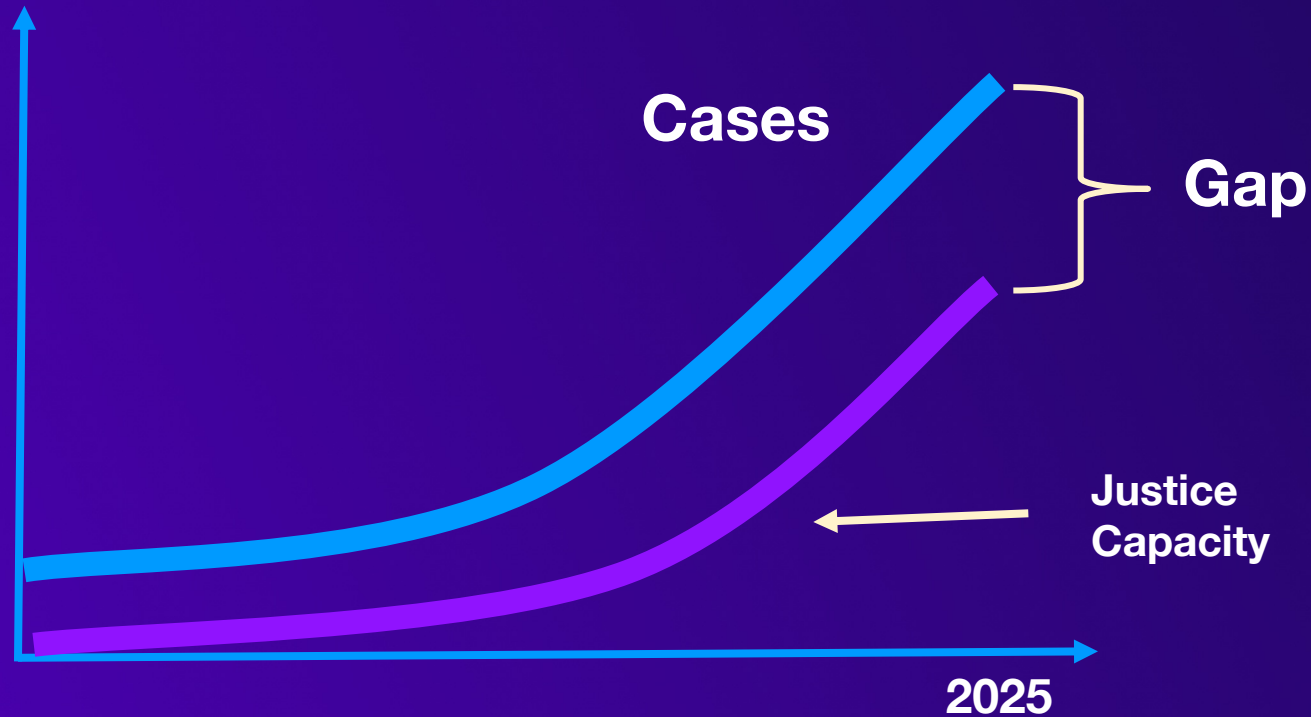


A New York Convention for the Metaverse Age?

Online Justice Gap



New Technologies Can Help Reduce It



Closing the Justice Gap in the Metaverse Age

FEDERICO AST
CEO

federico@kleros.io



@federicoast



@kleros_io

kleros.io



K L E R O S



HOSTED BY
THOMSON REUTERS
INCUBATOR



European
Commission

Winner of the Blockchains for Social Good
Prize from the European Union's Horizon
2020 research and innovation programme

bpifrance